

### **ABSTRACT OF THE DISCLOSURE**

Refrigerant is circulated through a vapor compression system including a compressor, a gas cooler, an expansion device, and an evaporator. An auxiliary electric heater is activated to further heat the heated water exiting the gas cooler when the heating capacity of the system is low. The auxiliary electric heater can be located on the water line exiting the gas cooler, in a water tank that stores the heated water, or on the refrigerant line proximate to the compressor discharge.

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